

## ABSTRACT

A device for sensing pressure including a chamber defining part having a  
5 first diaphragm mounted in communication with the sealed chamber  
defining part, and a second diaphragm electrically insulated from the  
first, preferably by a spacer. The diaphragms are flexible and have a  
conductive surface. A sensor chamber is mounted on the other side of  
the second diaphragm. It has an opening in communication with a  
10 sensing atmosphere. One of the diaphragms includes openings in its  
surface to permit fluid to flow through the openings and the other  
diaphragm is solid and responds to change in pressure in the sensor  
chamber to move away from or toward the one diaphragm. Electrical  
connections measure the capacitance between the diaphragms as a  
15 function of the pressure in the sensor chamber.